

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P631034

Luminaire Tested: GWS-SA1E-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3167.8 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

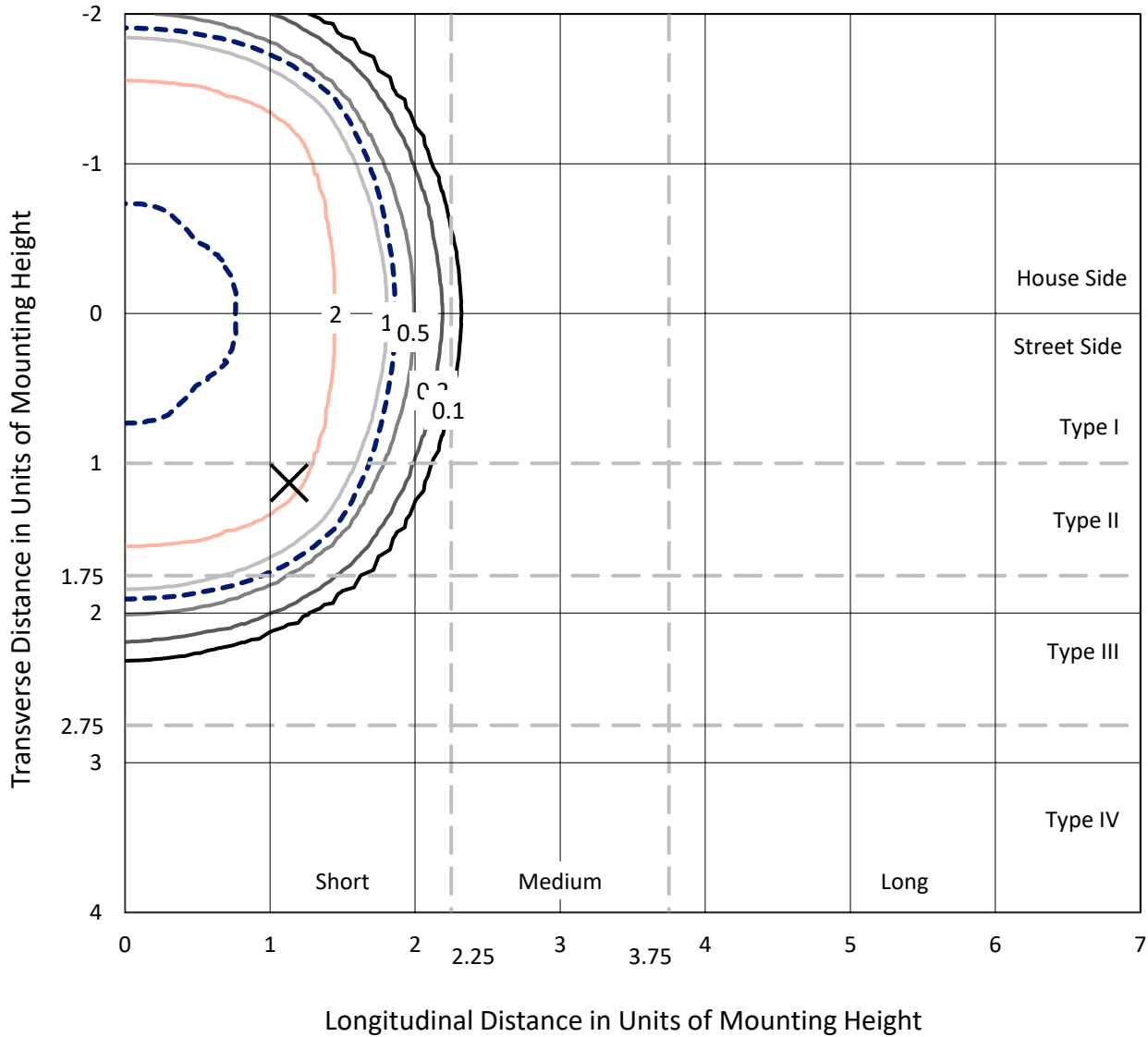


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Iso-Footcandle Lines of Horizontal Illumination

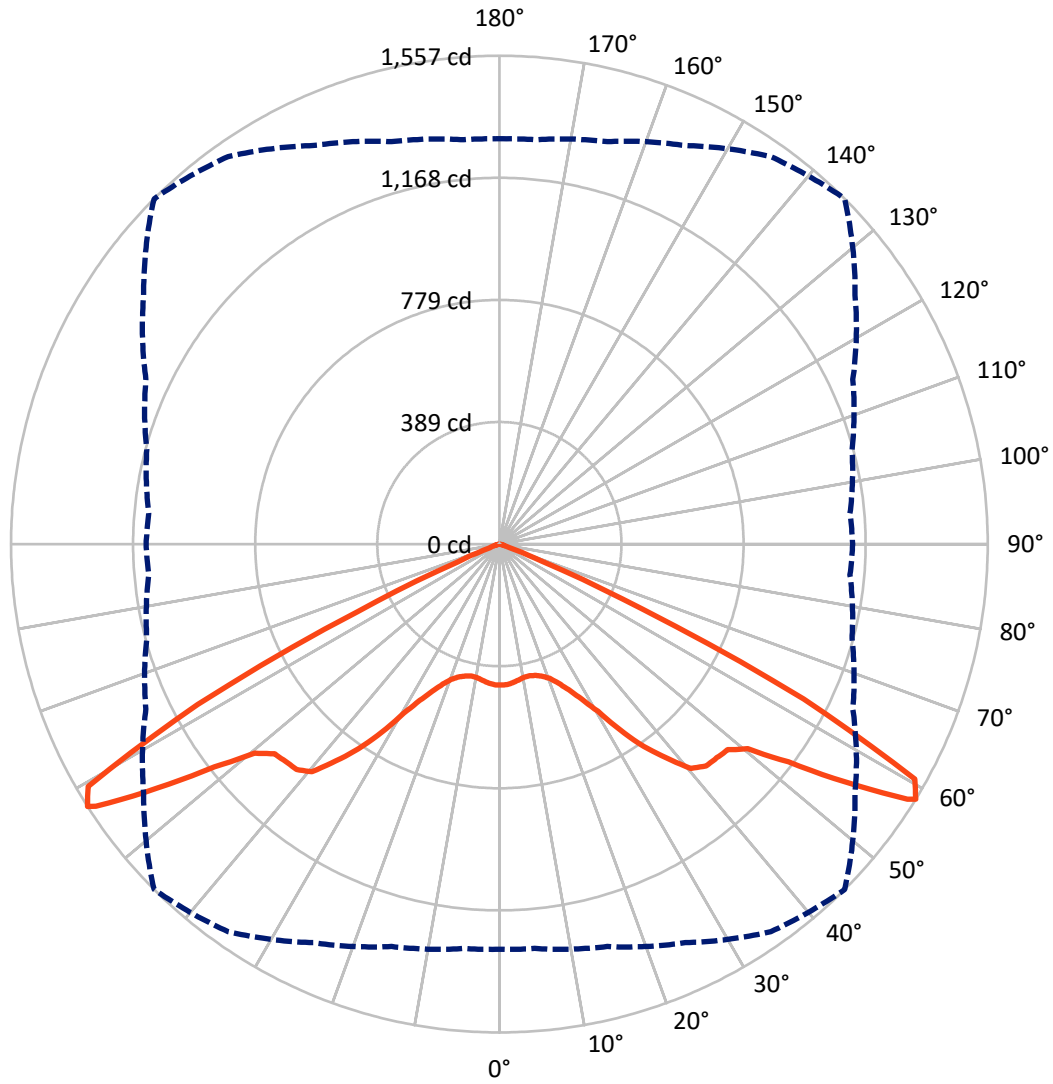
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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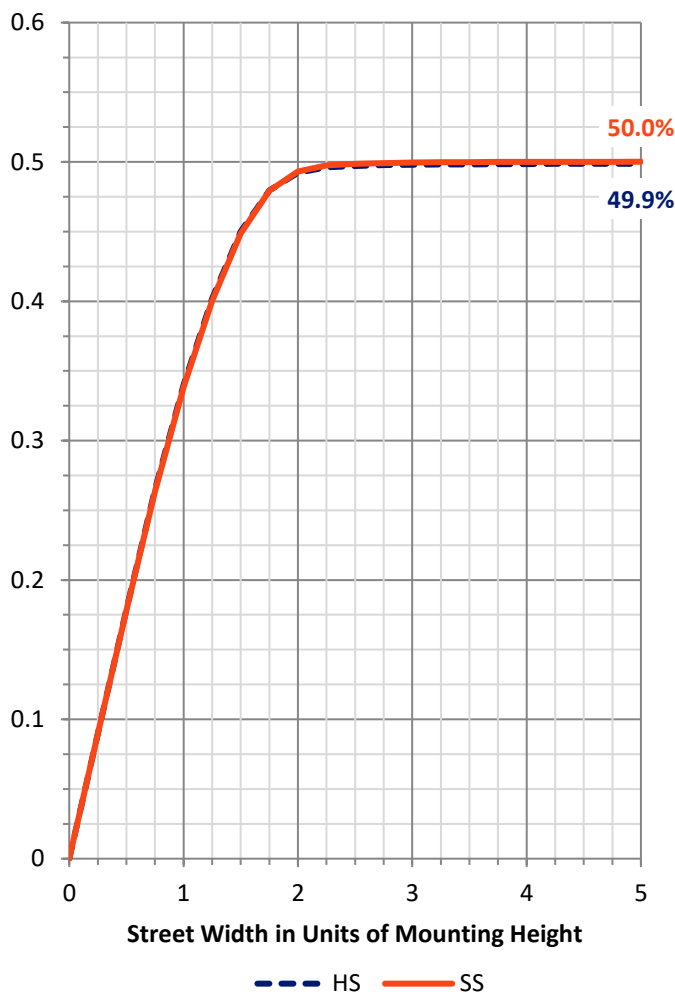
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1583.9	0.0	1583.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1583.9	0.0	1583.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3167.8	0.0	3167.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	1.3
10°-20°	124.0	3.9
20°-30°	234.6	7.4
30°-40°	462.6	14.6
40°-50°	732.1	23.1
50°-60°	1076.1	34.0
60°-70°	480.3	15.2
70°-80°	16.1	0.5
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3167.8	100.0
0°-180°	3167.8	100.0

Coefficient of Utilization



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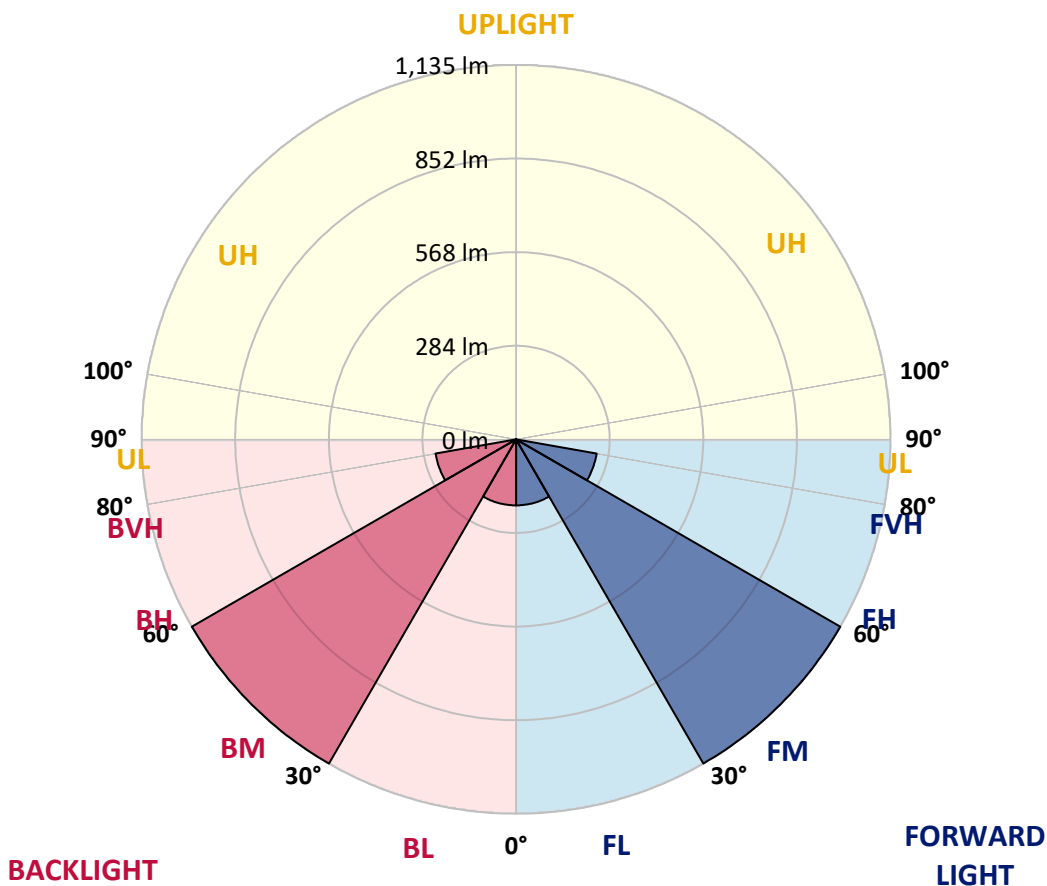
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.2	6.3			
FM (30°-60°)	1135.4	35.8			
FH (60°-80°)	248.2	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	200.2	6.3	B1/500		
BM (30°-60°)	1135.4	35.8	B2/2500		
BH (60°-80°)	248.2	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	449.2	449.2	449.2	449.2	449.2	449.2	449.2	449.2	449.2	449.2	449.2
2.5°	444.9	445.8	446.6	447.1	447.5	448.8	449.2	447.9	447.9	445.4	448.4
5°	442.8	443.6	444.5	444.1	444.1	444.1	443.6	441.9	441.5	438.9	441.9
7.5°	438.9	439.7	439.7	438.4	437.6	437.6	437.2	435.0	434.6	432.0	435.0
10°	435.9	436.3	435.9	433.3	431.5	431.5	431.1	430.2	430.7	429.0	431.5
12.5°	437.6	438.0	436.3	432.8	430.7	430.2	429.0	427.7	429.0	428.5	431.1
15°	443.2	443.6	440.6	436.3	434.6	434.6	431.1	427.7	429.4	429.8	432.8
17.5°	450.1	450.1	446.2	442.3	442.8	442.8	437.2	431.1	431.5	433.3	436.3
20°	458.3	458.3	454.4	453.6	456.6	457.0	450.1	440.6	438.4	439.7	443.2
22.5°	473.0	473.0	470.0	472.1	479.0	481.2	470.8	457.4	452.3	453.1	456.6
25°	495.8	495.8	495.0	500.2	510.1	514.8	501.0	483.3	474.7	473.4	477.3
27.5°	534.3	534.7	533.4	541.2	553.7	559.3	540.3	517.0	506.6	504.5	508.4
30°	583.9	583.9	584.3	595.1	611.5	618.8	593.8	566.6	554.5	547.6	552.8
32.5°	639.1	640.0	644.3	662.4	691.3	706.4	669.8	631.8	612.4	605.0	610.6
35°	730.2	722.0	716.8	730.2	772.0	791.9	744.8	700.4	685.7	684.9	699.1
37.5°	820.4	815.6	804.8	818.6	856.2	865.2	813.5	776.3	766.0	771.6	785.8
40°	892.0	883.4	869.1	882.1	931.3	940.3	876.5	839.8	835.9	848.4	867.8
42.5°	948.5	936.4	917.5	920.5	960.2	966.7	910.1	882.5	885.1	900.6	922.6
45°	974.0	964.5	947.7	946.4	971.4	971.8	927.4	913.1	920.0	932.1	949.4
47.5°	984.8	980.5	971.0	968.8	983.1	979.6	952.0	945.9	952.4	955.9	965.8
50°	1011.5	1011.5	1012.8	1014.6	1029.2	1025.8	1006.4	999.5	991.3	979.2	982.2
52.5°	1086.6	1089.6	1102.2	1116.0	1142.7	1153.9	1122.4	1082.3	1043.0	1016.7	1016.7
55°	1222.1	1225.2	1239.8	1263.1	1312.3	1339.1	1265.7	1177.2	1123.3	1087.5	1092.2
57.5°	1296.8	1300.2	1330.4	1393.5	1488.8	1534.1	1376.6	1245.4	1169.9	1128.9	1132.4
58°	1292.0	1294.2	1328.3	1402.1	1508.2	1557.0	1384.4	1243.3	1163.9	1122.0	1126.3
60°	1147.9	1144.9	1199.3	1304.6	1454.3	1521.6	1307.1	1135.0	1042.6	999.9	1002.0
62.5°	750.5	752.2	799.2	909.3	1025.8	1089.2	913.1	785.0	710.8	684.9	678.4
65°	313.3	307.7	336.6	397.9	467.8	503.2	432.4	365.9	320.2	302.9	307.7
67.5°	80.7	78.5	80.3	100.5	123.0	145.4	122.1	93.2	81.1	82.0	82.0
70°	45.7	43.2	35.0	32.4	31.5	31.5	31.5	31.5	36.2	42.7	44.0
72.5°	34.5	32.4	25.5	22.0	19.4	18.1	19.0	22.0	26.3	31.9	32.8
75°	17.3	17.3	15.5	14.7	12.9	12.1	12.5	13.8	16.0	18.1	17.7
77.5°	3.5	3.9	4.3	5.2	4.3	4.3	4.3	5.2	5.2	5.6	5.2
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)